Claims

1. An endcap for use in an extension arm that adjustably mounts a device to a support mount and conceals cables to and from the device within said extension arm, said endcap comprising:

a partially enclosed housing having a first endwall, a second endwall and at least one sidewall, said first endwall having a endwall hole therein; and

a shaft assembly having a shaft hole therethrough, said shaft assembly connected to said first endwall such that said shaft hole and said endwall hole are aligned to form a continuous hole.

2. The endcap of claim 1, wherein said shaft assembly includes two symmetrical endcap adapters connected together to form a hollow shaft.

3. The endcap of claim 2, wherein each of said symmetrical endcap adapters have a semicircular cross sectional profile.

4. The endcap of claim 2, wherein said hollow shaft has a portion with a first diameter and a portion with a second diameter that is greater than the first diameter.

5. The endcap of claim 4, wherein the second diameter of said hollow shaft is nearly the same as a diameter of said endwall hole.

6. The endcap of claim 4, wherein said portion of said hollow shaft with the second diameter is inserted into said endwall hole.

7. The endcap of claim 1, wherein said first endwall further includes threaded holes in communication with said endwall hole.

8. The endcap of claim 7, further comprising fasteners inserted in said threaded holes to couple said shaft assembly and said partially enclosed housing.

9. The endcap of claim 1, wherein said endwall hole is

adapted whereby a plug of a cable can fit therethrough.

10. The endcap of claim 1, wherein said at least one sidewall is semicircular in shape and connects to said first endwall and said second endwall.

11. The endcap of claim 1, wherein said endcap is fabricated from a zinc material.

12. The endcap of claim 1, wherein said endcap is cast molded.

13. The endcap of claim 1, wherein said endcap is manufactured via interlocking molding.

14. A channel for use in an extension arm that adjustably mounts a device to a support mount and conceals cables to and from the device within said extension arm, said channel comprising:

a body;

a first roller disposed at a first end of said body;

a second roller disposed at a second end of said body; and

a cable channel formed therein that runs longitudinally along said lower channel from a point close to the first end of said lower channel to the second end of said channel so as to cut through said second roller and form an opening in the second end of said lower channel.

15. The channel of claim 14, wherein said cable channel has two opposite edges that are parallel to a longitudinal centerline of said body.

16. The channel of claim 14, wherein one end of said cable channel is rounded.

17. The channel of claim 14, further comprising a cable cover that is removably attachable to said cable channel.

18. The channel of claim 14, wherein said channel is fabricated from zinc material.

19. The channel of claim 14, wherein said channel is cast molded.

20. The channel of claim 14, wherein said channel is manufactured via interlocking molding.

21. The channel of claim 14, wherein each of said rollers have holes located at a respective axial centerline.

22. A forearm extension for use in an extension arm that adjustably mounts a device to a support mount and conceals cables to and from the device within said extension arm, said forearm extension comprising:

a body having first and second ends;

means disposed at a first end of said body for attaching to the device; and

a coupling disposed at a second end of said body, said coupling having a slot formed in a wall thereof so that said coupling and said body are in communication with each other through said slot.

23. The forearm extension of claim 22, wherein said coupling has a set screw contained in said wall.

24. The forearm extension of claim 22, wherein an inner surface of said coupling has a plurality of grooves formed therein.

25. The forearm extension of claim 22, wherein said coupling comprises a second end coupling and said means for attaching comprises a first end coupling.

26. The forearm extension of claim 25, wherein said first end coupling has a set screw contained in a sidewall thereof.

27. The forearm extension of claim 25, wherein an inner surface of said first end coupling has a plurality of grooves formed therein.

28. The forearm extension of claim 22, wherein said body is U-shaped.

29. The forearm extension of claim 28, further comprising a cable holder within said U-shaped body.

30. The forearm extension of claim 25, wherein a

centerline of said first end coupling and a centerline of said second end coupling are aligned with a longitudinal centerline of said body.

31. The forearm extension of claim 25, wherein a lower surface of said body is aligned with a lower edge of said first end coupling and a lower edge of said second end coupling.

32. The forearm extension of claim 25, wherein said body is disposed at an angle between said first end coupling and said second end coupling when said first end coupling and said second end coupling are disposed such that an axial centerline of each is vertical.

33. The forearm extension of claim 25, wherein said body is horizontally disposed between said first end coupling and said second end coupling when said first end coupling and said second end coupling are disposed such that an axial centerline of each is vertical.